



[7590-01-P]

NUCLEAR REGULATORY COMMISSION

[NRC-2016-0201]

Nuclear Power Plant Instrumentation for Earthquakes

AGENCY: Nuclear Regulatory Commission.

ACTION: Draft regulatory guide; request for comment.

SUMMARY: The U.S. Nuclear Regulatory Commission (NRC) is issuing for public comment draft regulatory guide (DG)-1332, "Nuclear Power Plant Instrumentation for Earthquakes." This DG is proposed Revision 3 of Regulatory Guide 1.12, "Nuclear Power Plant Instrumentation for Earthquakes." The NRC proposes to revise the guide to incorporate advances in seismic instrumentation and operating experience since Revision 2 of RG 1.12 was issued in 1997. The proposed revision describes the seismic instrumentation criteria, including instrumentation type, locations, characteristics, and maintenance, that the NRC staff considers acceptable for nuclear power plants.

DATES: Submit comments by **[INSERT DATE 60 DAYS AFTER THE DATE OF PUBLICATION IN THE *FEDERAL REGISTER*]**. Comments received after this date will be considered if it is practical to do so, but the NRC is able to ensure consideration only for comments received on or before this date. Although a time limit is given, comments and suggestions in connection with items for inclusion in guides currently being developed or improvements in all published guides are encouraged at any time.

ADDRESSES: You may submit comments by any of the following methods:

- **Federal Rulemaking Web Site:** Go to <http://www.regulations.gov> and search for Docket ID **NRC-2016-0201**. Address questions about NRC dockets to Carol Gallagher; telephone: 301-415-3463; e-mail: Carol.Gallagher@nrc.gov. For technical questions, contact the individuals listed in the FOR FURTHER INFORMATION CONTACT section of this document.

- **Mail comments to:** Cindy Bladey, Office of Administration, Mail Stop: OWFN-12H08, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

For additional direction on obtaining information and submitting comments, see “Obtaining Information and Submitting Comments” in the **SUPPLEMENTARY INFORMATION** section of this document.

FOR FURTHER INFORMATION CONTACT: Sarah Tabatabai, telephone: 301-415-2982, e-mail: Sarah.Tabatabai@nrc.gov; and Edward O'Donnell, telephone: 301-415-3317, e-mail: Edward.ODonnell@nrc.gov. Both are staff of the Office of Nuclear Regulatory Research of the U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

SUPPLEMENTARY INFORMATION:

I. Obtaining Information and Submitting Comments

A. Obtaining Information

Please refer to Docket ID **NRC-2016-0201** when contacting the NRC about the availability of information regarding this action. You may obtain publically-available information related to this action by any of the following methods:

- **Federal Rulemaking Web Site:** Go to <http://www.regulations.gov> and search for Docket ID **NRC-2016-0201**.

- **NRC's Agencywide Documents Access and Management System (ADAMS):**
You may obtain publicly-available documents online in the ADAMS Public Documents collection at <http://www.nrc.gov/reading-rm/adams.html>. To begin the search, select "[ADAMS Public Documents](#)" and then select "[Begin Web-based ADAMS Search](#)." For problems with ADAMS, please contact the NRC's Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to pdr.resource@nrc.gov. The DG is available in ADAMS under Accession No. ML16104A220.

- **NRC's PDR:** You may examine and purchase copies of public documents at the NRC's PDR, Room O1-F21, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852.

B. Submitting Comments

Please include Docket ID **NRC-2016-0201** in your comment submission.

The NRC cautions you not to include identifying or contact information that you do not want to be publicly disclosed in your comment submission. The NRC posts all comment submissions at <http://www.regulations.gov> as well as enters the comment submissions into ADAMS. The NRC does not routinely edit comment submissions to remove identifying or contact information.

If you are requesting or aggregating comments from other persons for submission to the NRC, then you should inform those persons not to include identifying or contact information that they do not want to be publicly disclosed in their comment submission. Your request should state that the NRC does not routinely edit comment submissions to remove such information before making the comment submissions available to the public or entering the comment submissions into ADAMS.

II. Additional Information

The NRC is issuing for public comment a DG in the NRC's "Regulatory Guide" series. This series was developed to describe and make available to the public information regarding methods that are acceptable to the NRC staff for implementing specific parts of the NRC's regulations, techniques that the staff uses in evaluating specific issues or postulated events, and data that the staff needs in its review of applications for permits and licenses.

The DG entitled, "Nuclear Power Plant Instrumentation for Earthquakes," is proposed Revision 3 of RG 1.12, "Nuclear Power Plant Instrumentation for Earthquakes." The DG is temporarily identified by its task number, DG-1332. The guide proposes revised guidance for the seismic instrumentation criteria, including instrumentation type, locations, characteristics,

and maintenance, that the NRC staff considers acceptable for nuclear power plants. The current revision of RG 1.12 dates to 1997 and significant technological advances in seismic instrumentation have since been made. Lessons learned from the recent earthquakes that impacted the North Anna and Fukushima-Dai-ichi nuclear power plants indicate a need to update seismic instrumentation guidance relative to instrument characteristics, locations, installation, and maintenance. In addition, the guide needs to be reformatted to align with the current program guidance for regulatory guides.

III. Backfitting and Issue Finality

This DG describes the seismic instrumentation criteria, including instrumentation type, locations, characteristics, and maintenance, that the NRC staff considers acceptable for nuclear power plants. Issuance of this DG, if finalized, would not constitute backfitting as defined in § 50.109 of title 10 of the *Code of Federal Regulations* (10 CFR) (the Backfit Rule) and would not otherwise be inconsistent with the issue finality provisions in 10 CFR part 52. As discussed in the “Implementation” section of this DG, the NRC has no current intention to impose this guide, if finalized, on holders of current operating licenses or combined licenses.

This DG may be applied to applications for operating licenses, combined licenses, early site permits, and certified design rules docketed by the NRC as of the date of issuance of the final guide, as well as future applications submitted after the issuance of the guide. Such action would not constitute backfitting as defined in the Backfit Rule or be otherwise inconsistent with

the applicable issue finality provision in 10 CFR part 52, inasmuch as such applicants or potential applicants are not within the scope of entities protected by the Backfit Rule or the relevant issue finality provisions in 10 CFR part 52.

Dated at Rockville, Maryland, this 16th day of September, 2016.

For the Nuclear Regulatory Commission.

Thomas H. Boyce, Chief,
Regulatory Guidance and Generic Issues Branch,
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